

**USING A SINGLE ALLOCATOR TO COORDINATE VOLUME  
TRANSFORMATIONS ACROSS VIRTUALIZATION LAYERS**

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**ABSTRACT OF THE DISCLOSURE**

A computer system or memory medium with instructions executable by a computer system to use a single allocator to coordinate volume transformations across virtualization layers. In one embodiment, the computer system creates a first storage object, wherein the first storage object is created to have a property. The computer system creates a second storage object out of the first storage object, wherein the second storage object depends on the property of the first storage object. The computer system then modifies the first storage object, wherein the modified first storage object maintains the property upon which the second storage object depends.